

# R&S®HL024A1 CROSSED LOG- PERIODIC ANTENNA

1 GHz to 18 GHz

Log-periodic directional antenna for simultaneous reception of horizontally and vertically polarized waves



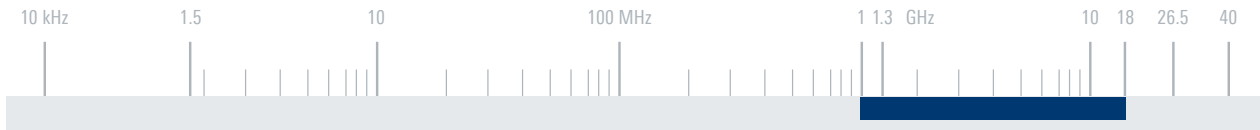
The R&S®HL024A1 crossed log-periodic antenna is designed for simultaneous reception of horizontally and vertically polarized waves.

It can also be used as a transmitting antenna for low power and as a feed for the R&S®AC008 microwave directional antenna.

## Key facts

- ▶ Horizontal and vertical polarization
- ▶ Wide frequency range
- ▶ Virtually frequency-independent radiation pattern
- ▶ Usable as a feed for R&S®AC008 microwave directional antenna
- ▶ Accredited calibration available on request



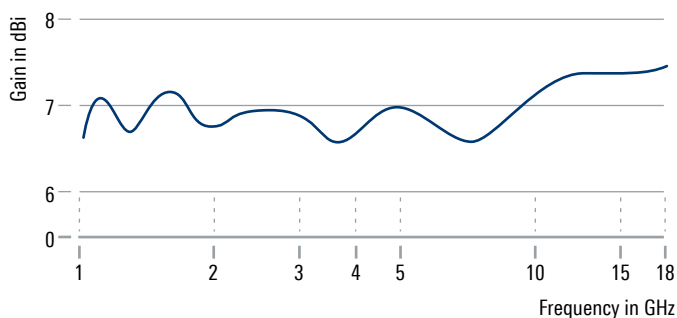


### Specifications

Frequency range	1 GHz to 18 GHz	
Polarization	linear/horizontal and vertical	
Input impedance	50 Ω	
VSWR	≤ 2.5	
Max. input power	9 W to 2.5 W CW	
Gain	typ. 7 dBi	
Connector	2 × SMA female	
Operating temperature range	−30°C to +55°C	
Max. wind speed	without ice deposit	180 km/h
MTBF	> 100 000 h	
Dimensions	Ø × H; with radome	approx. 210 mm × 300 mm (8 in × 12 in)
Weight	approx. 0.7 kg (2 lb)	

Ordering information	Type	Order No.
Crossed log-periodic antenna	R&S®HL024A1	0650.7510.03
<b>Recommended extras</b>		
Microwave cable, length: 5 m	R&S®AC008W2	0751.6931.04
Microwave cable, length: 10 m	R&S®AC008W2	0751.6931.05
Adapter for R&S®HZ-1	R&S®HL025Z1	4053.4006.03
Wooden tripod	R&S®HZ-1	0837.2310.02

### Typical gain



### Typical radiation patterns

